SONY
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FWD-S55H2/S46H2/S42H2

Full HD LED Backlit Public Display

Sony S-Series displays – the FWD-S55H2, FWD-S46H2, and FWD-S42H2 – incorporate LED backlighting, and offer high brightness and high picture quality along with low power consumption.

High Brightness & High Quality Images

The FWD-S55H2 offers high brightness of 1000 cd/m² and the FWD-S46H2 and FWD-S42H2 offer 700 cd/m². All S-Series displays deliver images with high brightness and high contrast, even at large venues and in places with bright ambient lighting.

High contrast of 4000:1

Low contrast

image simulated

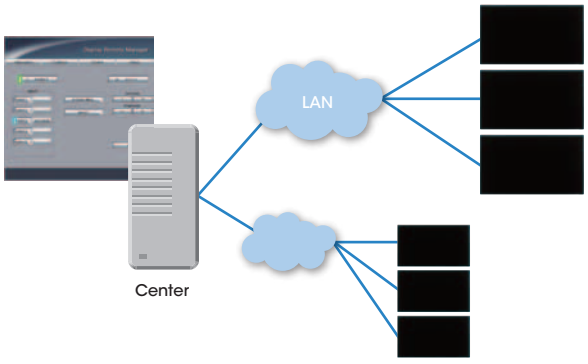
Low Power & Energy Efficient

The FWD-S55H2, FWD-S46H2, and FWD-S42H2 offer low power consumption with LED backlighting (at least 45% less than a conventional CCFL model from Sony*). This feature helps to reduce the total cost of ownership by lowering running costs.

* Per unit area

Network Display Management

Users can monitor the display status and control multiple displays over LAN, VPN, or the Internet using Microsoft® Internet Explorer® 7.0 or later.



Landscape/Portrait

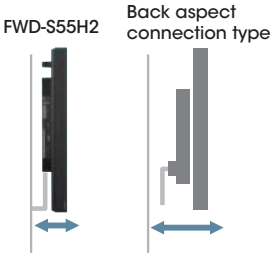
Because they use commercial-grade LCD panels and cooling systems, these displays can be positioned either vertically (portrait) or horizontally (landscape) with no change in the backlight level or service life. This orientation flexibility makes it possible to create many different imaging effects in a wide variety of spaces.

image simulated

Slim Installation Design

The depth of the FWD-S55H2, FWD-S46H2, and FWD-S42H2 is at least 20% less than that of a conventional CCFL model from Sony. For slim installation, the Signal In and Signal Out terminals are incorporated into this profile, and do not protrude from the unit.

In and out terminals



Installed side view images

DICOM-simulated Gamma Setting

Gamma setting is in accordance with the DICOM (Digital Imaging and Communications in Medicine) GSDF (Grayscale Standard Display Function) standard.

Standard Gamma (Mid mode)

DICOM-simulated Gamma

image simulated

Picture-in-Picture

All S-Series displays allow the picture from a secondary source to be displayed within the main picture.

Multi-display

All S-Series displays can present a single large dynamic image, simply by combining up to 16 display units (1x2, 1x3, 1x4, 2x1, 3x1, 4x1,2x2, 3x3, 4x4)*.

* Multi-display function supports progressive signals only.

Screen Saver

Images with constant brightness (such as data and still images) can cause screen burn-in on a display. To prevent this, three screen saver patterns are provided and can be adapted for customer usage.

Eco Mode

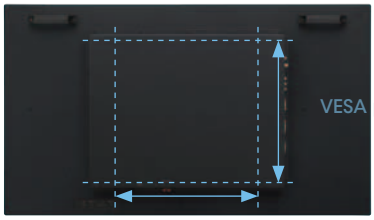
In Eco mode, power consumption is reduced using power-saving technology*. Compared with Standard mode, power consumption using the High setting is approximately 50% less in Eco mode and using the Low setting is approximately 30% less in Eco mode.

* Brightness is also lowered.

VESA-compliant Flexible Mounting

VESA-compliant mounting points help ensure safety when units are mounted. Optional mounting brackets are sold separately.

FWD-S55H2, FWD-S46H2, and FWD-S42H2



User-friendly Remote Control

Each display comes with a dedicated remote control unit, designed with careful attention to button shapes, sizes, spacing, and layout. When working with multiple displays, the operator can use the remote's ID MODE button to control each display separately.

Control Panel Lock

The control panel lock function can disable the control panel of a display to prevent unauthorized changes to display settings.

Power-on Delay

Switching on multiple displays at the same time can potentially cause a damaging power surge. The Power-on Delay feature minimizes this risk by allowing the user to stagger the timing so that each unit powers up at a slightly different time.

OPTIONAL ACCESSORIES

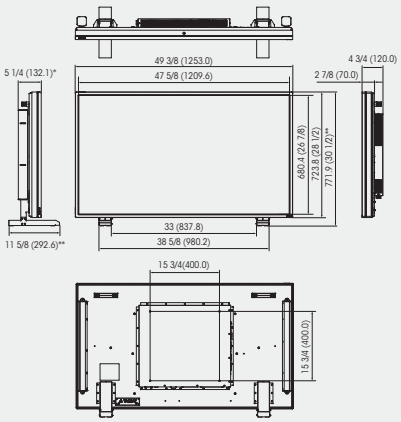
BKM-FW16
HD-SDI/SDI Input Adaptor

SU-S02
Tabletop Stand

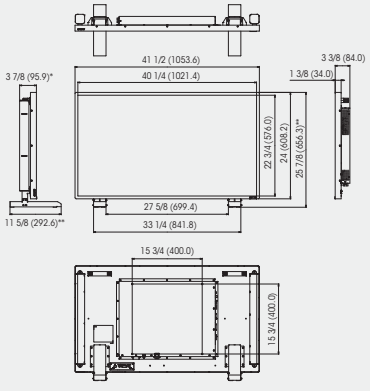
SS-SPG02
Speaker Systems

DIMENSIONS

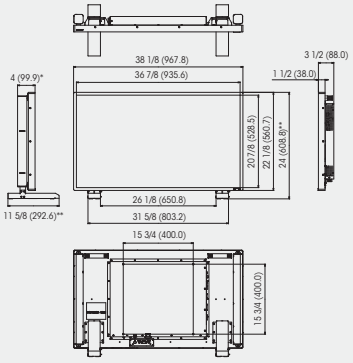
FWD-S55H2



FWD-S46H2



FWD-S42H2



* with Speaker ** with Tabletop stand Unit: inches (mm)

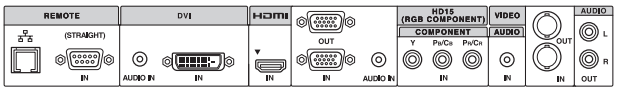
SPECIFICATIONS

	FWD-S55H2	FWD-S46H2	FWD-S42H2
LCD Panel			
Type	a-Si TFT Active Matrix LCD Direct lit type LED Backlight	a-Si TFT Active Matrix LCD Edge lit type LED Backlight	a-Si TFT Active Matrix LCD Edge lit type LED Backlight
Panel Size (diagonal)	55 inches	46 inches	42 inches
Picture Size (h x v)	47 5/8 x 26 3/4 inches (1209.6 x 680.4 mm)	40 1/8 x 22 5/8 inches (1018.1 x 572.7 mm)	36 5/8 x 20 5/8 inches (930.2 x 523.3 mm)
Panel Resolution (h x v)	1920 x 1080 pixels, Full HD	1920 x 1080 pixels, Full HD	1920 x 1080 pixels, Full HD
Pixel Pitch	0.63 x 0.63 mm	0.53 x 0.53 mm	0.48 x 0.48 mm
Color Depth	8 bits + FRC, 1.06 billion colors	8 bits + FRC, 1.06 billion colors	8 bits + FRC, 1.06 billion colors
Brightness	1000 cd/m^2 (typical)	700 cd/m^2 (typical)	700 cd/m^2 (typical)
Contrast Ratio	4,000 : 1 (typical)	4,000 : 1 (typical)	4,000 : 1 (typical)
Viewing Angle*	178 degrees (typical)	178 degrees (typical)	178 degrees (typical)
Signal			
Color System	NTSC, PAL	NTSC, PAL	NTSC, PAL
Sampling Rate	13.5 MHz to 162 MHz	13.5 MHz to 165 MHz	13.5 MHz to 165 MHz
Inputs/Outputs			
Digital Video	HDMI (1080p) in with audio in DVI in with audio in Rev. 1.0 compliant	HDMI(1080p) in with audio in DVI in with audio in Rev. 1.0 compliant DVI out	HDMI(1080p) in with audio in DVI in with audio in Rev. 1.0 compliant DVI out
Analog Video	HD15 in with audio in (RGB/Component Video) HD15 out (RGB/Component Video) Composite Video in/out with audio in** (BNC (x2)) Component Video in with audio in** (pin jack (x3))	HD15 in with audio in (RGB/Component Video) HD15 out (RGB/Component Video) Composite Video in/out with audio in** (BNC (x2)) Component Video in with audio in** (pin jack (x3))	HD15 in with audio in (RGB/Component Video) HD15 out (RGB/Component Video) Composite Video in/out with audio in** (BNC (x2)) Component Video in with audio in** (pin jack (x3))
Remote Control	Network port (RJ45, 10BASE-T/100BASE-TX) RS-232C (D-sub 9-pin, straight)	Network port (RJ45, 10BASE-T/100BASE-TX) RS-232C (D-sub 9-pin, straight)	Network port (RJ45, 10BASE-T/100BASE-TX) RS-232C (D-sub 9-pin, straight)
Audio	Audio out (L/R, pin jack (x2))	Audio out (L/R, pin jack (x2))	Audio out (L/R, pin jack (x2))
Speaker Out	L/R, 7 W + 7 W, 6 ohms	L/R, 7 W + 7 W, 6 ohms	L/R, 7 W + 7 W, 6 ohms
Option Slot	x1 for BKM-FW16	x1 for BKM-FW16	x1 for BKM-FW16
General			
Power Requirements	AC 100 V to 240 V, 50/60 Hz, 2.9 A (maximum)	AC 100 V to 240 V, 50/60 Hz, 1.4 A (maximum)	AC 100 V to 240 V, 50/60 Hz, 1.45 A (maximum)
Power Consumption	250 W (typical) 290 W (maximum)	100 W (typical) 140 W (maximum)	108 W (typical) 145 W (maximum)
Operating Temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Storage Temperature	14°F to 104°F (-10°C to 40°C)	14°F to 104°F (-10°C to 40°C)	14°F to 104°F (-10°C to 40°C)
Humidity	20% to 90%, no condensation	20% to 90%, no condensation	20% to 90%, no condensation
Dimensions (w x h x d)	49 3/8 x 28 1/2 x 4 3/4 inches (1,253.0 x 723.8 x 120.0 mm) (excluding protruding parts)	41 1/2 x 24 x 3 3/8 inches (1,053.6 x 608.2 x 84.0 mm) (excluding protruding parts)	38 1/8 x 22 1/8 x 3 1/2 inches (967.8 x 560.7 x 88.0 mm) (excluding protruding parts)
Weight	78.7 lb (35.7 kg)	50.0 lb (22.7 kg)	44.5 lb (20.2 kg)
Regulation Compliance	UL, CSA, CE, GOST-R, IEC, FCC Class B, IC, CISPR, ErP Lot6	UL, CSA, CE, GOST-R, IEC, FCC Class B, IC, CISPR, ErP Lot6	UL, CSA, CE, GOST-R, IEC, FCC Class B, IC, CISPR, ErP Lot6
Supplied Accessories	AC power cord (x1), AC plug holder (x2), Cable holder (x6), Remote Control RM-FW002 (x1), Size AA (R6) batteries (x2), Operating instructions (x1)	AC power cord (x1), AC plug holder (x2), Cable holder (x6), Remote Control RM-FW002 (x1), Size AA (R6) batteries (x2), Operating instructions (x1)	AC power cord (x1), AC plug holder (x2), Cable holder (x6), Remote Control RM-FW002 (x1), Size AA (R6) batteries (x2), Operating instructions (x1)

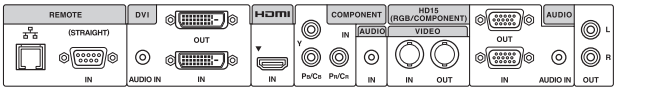
* Measured at contrast ratio of more than 10:1
** Component video and composite video share an audio input (stereo mini jack (x1))

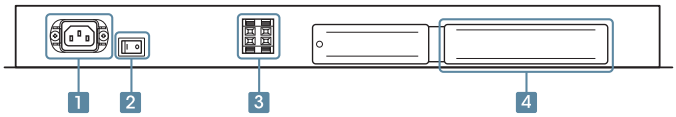
CONNECTOR PANEL

FWD-S55H2



FWD-S46H2 and FWD-S42H2





1 AC In Socket
2 Main Power Switch
3 Speaker Socket
4 Option Slot

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